CLAIMS

1. An ink jet print system in which an ink jet recording medium previously having printing control information is continuously driven with a conveying apparatus, and print data is continuously processed with an ink jet recording apparatus set in the middle of a conveyance pathway, to output a printed image.

2. An ink jet print system according to claim 1, wherein the printing control information involves information of various kinds about the kind of ink most suitable for the ink jet recording medium, the kind of a substrate and the kind of an ink-receiving layer(s), and at least one item of information for controlling a conveying and driving apparatus, an ink jet recording apparatus, and a discharging apparatus for ink nozzles in the recording apparatus, a cutter apparatus, a tray apparatus and the like, which information is for controlling a series of the apparatuses of the ink jet print system on the basis of the above-mentioned information of various kinds.

3. An ink jet print system according to claim 2, wherein an information-detecting sensor is located short of said ink jet recording apparatus in the conveyance pathway, and the driving apparatus stops when the printing control information is not detected in said ink jet recording medium.

4. An ink jet print system according to claim 2, wherein an information-detecting sensor is located

short of said ink jet recording apparatus in the conveyance pathway, and an image different from that based on image data is output so as not to permit formation of a desired image, without interlocking said ink jet recording apparatus with the conveying apparatus, when the printing control information is not detected in said ink jet recording medium.

5. An ink jet print system according to claim 2, wherein an information-detecting sensor is located short of said ink jet recording apparatus in the conveyance pathway, and the discharge of ink in said ink jet recording apparatus is stopped to output no printed image when the printing control information is not detected in said ink jet recording medium.

6. An ink jet print system according to claim 2, wherein an information-detecting sensor is located short of said ink jet recording apparatus in the conveyance pathway; information related to the printing control information of said ink jet recording medium is stored in the system as database information and compared with the printing control information of said ink jet recording medium obtained from the information detecting sensor; and said ink jet recording medium is cut to a predetermined length with a cutter apparatus to conduct finishing when the printing control information of the ink jet recording medium agrees with the database information in the system.

7. An ink jet print system according to claim

3, wherein information related to the printing control information of said ink jet recording medium is stored in the system as database information and compared with the printing control information of said ink jet recording medium obtained from the information-detecting sensor, and the conveying and driving apparatus stops when the printing control information does not agree with the database information.

8. An ink jet print system according to claim 4, wherein information related to the printing control information of said ink jet recording medium is stored in the system as database information and compared with the printing control information of said ink jet recording medium obtained from the information-detecting sensor, and an image different from that based on image data is outputted so as not to permit formation of a desired image, without interlocking said ink jet recording apparatus with the conveying apparatus, when the printing control information does not agree with the database information.

9. An ink jet print system according to claim 5, wherein information related to the printing control information of said ink jet recording medium is stored in the system as database information and compared with the printing control information of said ink jet recording medium obtained from the information-detecting sensor, and the discharge of ink in the ink jet recording apparatus is stopped to output no printed

image when the printing control information does not agree with the database information.

10. An ink jet print system according to claim 2, wherein said ink jet recording medium is a rolled paper having a core.

11. An ink jet print system according to claim 9, wherein the discharge of ink in said ink jet recording apparatus is stopped and the conveying apparatus is driven to recover the ink jet recording medium having no printed image, with a roll-recovering apparatus.

12. An ink jet print system according to claim 8, wherein the discharge of ink in said ink jet recording apparatus is stopped and the conveying apparatus is driven to recover the ink jet recording medium having an outputted image different from that based on image data, with a roll-recovering apparatus.

13. An ink jet print system according to claim 2, wherein said ink jet recording medium is separated with a roll-recovering apparatus.

14. An ink jet print system according claim 2, wherein said ink jet recording medium is cut with a cutter and then separated with the tray apparatus, instead of using a roll-recovering apparatus.

15. An ink jet print system according to claim 2, wherein said printing control information is provided on the side reverse to the side of said ink jet recording medium on which ink jet recording is to be conducted.

16. An ink jet print system according to claim 2, wherein said printing control information of said ink jet recording medium is detected with an information-detecting sensor by means of at least one light selected from visible light, near infrared rays and fluorescence.

17. An ink jet print system according to claim 2, wherein at least one of a logo print and code information is selected as said printing control information of said ink jet recording medium and is detected with an information-detecting sensor.

18. An ink jet print system according to claim 2, wherein after the impartment of said printing control information to said ink jet recording medium, the surface on which the impartment has been carried out is subjected to at least one treatment selected from coating of the surface with a resin by extrusion coating and attachment of a resin film to the surface.

19. An ink jet print system according to claim 8, wherein the amount of ink discharged from the ink nozzles of the ink jet recording apparatus is smaller than the optimum amount by 10% or more, or the speed of conveyance of the ink jet recording medium in the ink jet recording apparatus is higher than the optimum speed by 10% or more.